

H20E-00 Polypropylene Homopolymer

H20E-00 is a controlled rheology homopolymer polypropylene containing a high level of antistat designed for injection molding applications that require improved processability and enhanced mold release. Typical applications include caps and closures and thin wall containers. It meets the requirements of the U.S. Food and Drug Administration as specified in 21CFR 177.1520.

Typical Properties¹

	Values		ASTM Method
	English Units	SI Units	
Resin			
Density	—	0.904 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	20 g/10 min	D1238
Injection Molded Samples			
Tensile Strength (2 in/min)			D638
@ Yield	5,000 psi	34.5 MPa	
@ Break	2,310 psi	15.9 MPa	
Elongation (2 in/min)			D638
@ Yield	10.2 %	10.2 %	
@ Break	160 %	160 %	
Flexural Modulus			D790A
1% Secant	215,000 psi	1,481 MPa	
Notched Izod Impact Strength			D256
@ 23 C	0.50 ft-lbf/in	2.52 kJ/m ²	
Hardness			D785
Rockwell R	97	97	
Deflection Temperature			D648
@ 66 psi (455 kPa)	198 F	92 C	
Gloss at 60 ° angle (Gloss Units)	93	93	D2457

¹ Typical properties will vary and are not to be used for specifications.